

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1-16 (Canceled)

Claim 17 (New): A cooling system for cooling of at least one heat-emitting element, comprising

a first heat-receiving part that is adapted to receive heat from the at least one-heat emitting element,

a cooling fluid for absorption of heat by heating and evaporation,

characterized in that the system is hermetically sealed and further comprises

a bubble pump with a tube-shaped part for generation of a fluid flow in the system by the motive forces of bubbles moving liquid cooling fluid at substantially the same velocity as the bubbles in the tube-shaped part, the tube-shaped part being positioned downstream the first heat-receiving part and moving the cooling fluid towards a radiator for emission of heat from the cooling fluid in liquid form to the surroundings, and

a condenser for condensing of evaporated cooling fluid and emission of the heat of condensation.

Claim 18 (New): The cooling system according to claim 17, wherein the bubble pump has an outlet wherein the outlet during operation of the cooling system is positioned above the liquid level of the system.

Claim 19(New): The cooling system according to claim 17, further comprising a second heat-receiving part for accommodation of a heat-emitting element.

Claim 20 (New): The cooling system according to claim 17, further comprising a plurality of bubble pumps.

Claim 21 (New): The cooling system according to claim 20, wherein at least some of the bubble pumps are connected in series.

Claim 22 (New): The cooling system according to claim 20, wherein at least some of the bubble pumps are connected in parallel.

Claim 23 (New): The cooling system according to claim 17, wherein the cooling fluid comprises at least two fluids with different boiling points.

Claim 24 (New): The cooling system according to claim 17, wherein a first fluid in the cooling fluid is selected from the group of ethanol, methanol, acetone, ether and propane.

Claim 25 (New): The cooling system according to claim 17, wherein a second fluid in the cooling fluid is water.

Claim 26 (New): The cooling system according to claim 17, wherein the pressure in the cooling system is adjusted to a desired pressure.

Claim 27 (New): The cooling system according to claim 26, wherein the pressure is adjusted so that the lowest boiling temperature of the fluids substantially equals the desired operating temperature of the at least one heat-emitting element.

Claim 28 (New): The cooling system according to claim 26, wherein the pressure in the cooling system is lower than the atmospheric pressure.

Claim 29 (New): The cooling system according to claim 17, wherein a heat-emitting element is integrated in the heat-receiving part and is in direct contact with the cooling fluid in the cooling system.

Claim 30 (New): The cooling system according to claim 17, wherein the heat-receiving part comprises a plurality of separated liquid chambers.

Claim 31 (New): An electronic device having one or more elements to be cooled during the operation of the electronic device, wherein the electronic device comprises the cooling system according to claim 17.

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Claim 32 (New): Use of the cooling system according to claim 17, for cooling of
electronic components.